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 - > VIKYLIN GK-4818-CA Outdoor 4K 8MP PTZ PoE Security IP Camera Instruction Manual

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Brand: VIKYLIN | Model: GK-4818-CA

1. PRODUCT OVERVIEW

The VIKYLIN GK-4818-CA is an advanced outdoor 4K 8MP PTZ (Pan-Tilt-Zoom) PoE (Power over Ethernet) security IP camera designed for comprehensive surveillance. It features auto-tracking, two-way audio, 18x optical zoom, 328ft IR night vision, and human/vehicle detection. This camera is built to withstand outdoor conditions with an IP66 waterproof rating and offers broad compatibility with various NVR systems and viewing platforms.



Figure 1: VIKYLIN GK-4818-CA PTZ PoE Security IP Camera

2. WHAT'S IN THE BOX

Verify that all components are present in the package:

- VIKYLIN GK-4818-CA PTZ PoE Security IP Camera
- Mounting Bracket
- Power Adapter (with UK adapter if applicable)
- Mounting Screws and Wall Plugs
- Waterproof Ethernet Connector



Figure 2: Package Contents

Unboxing and Initial Setup Overview

Video 1: Overview of unboxing and initial bracket attachment for a similar PTZ camera model.

3. SETUP AND INSTALLATION

3.1 Mounting the Camera

The camera can be mounted on a ceiling or wall. Ensure the mounting surface is strong enough to support the camera's weight. Use the provided mounting bracket and screws.

1. Attach the mounting bracket to the camera using the supplied screws.
2. Route the camera cables through the bracket and mounting surface.
3. Secure the bracket to the desired location (ceiling or wall) using the appropriate screws and wall plugs.

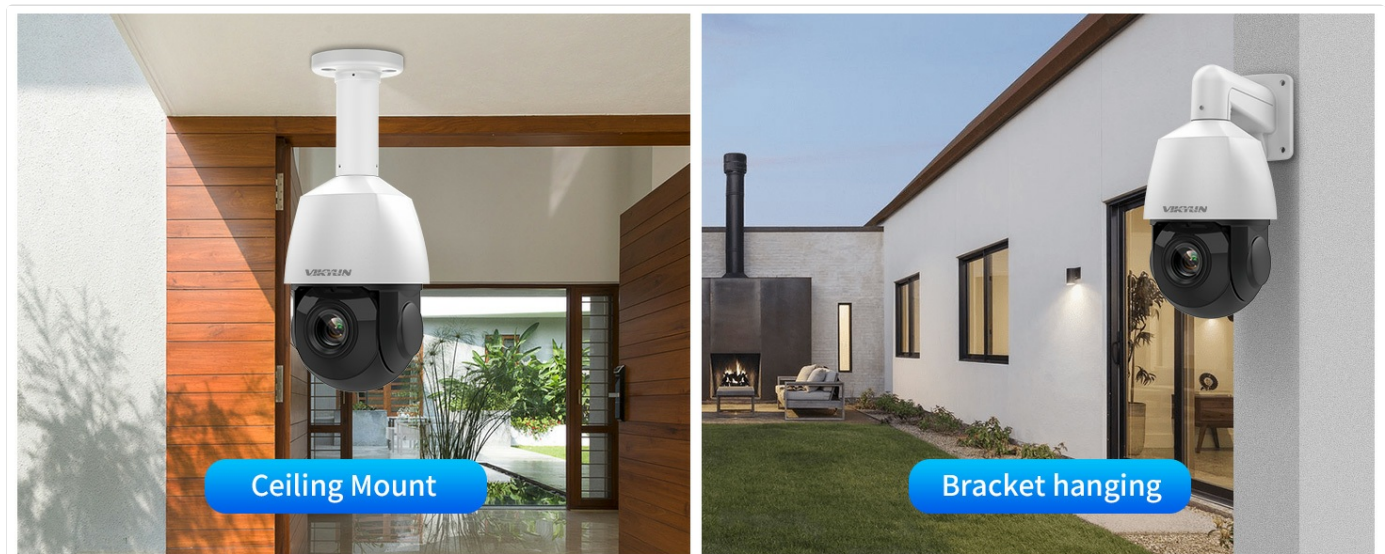


Figure 3: Mounting Options (Ceiling and Wall)

3.2 Network Connection

The camera supports Power over Ethernet (PoE) for simplified installation, allowing both power and data transmission over a single Ethernet cable. It can also be powered via a DC 12V adapter if PoE is not available.

- **PoE Connection:** Connect the camera's Ethernet port to a PoE switch or PoE NVR.
- **Standard Connection:** Connect the camera's Ethernet port to a router and use the provided DC 12V power adapter.

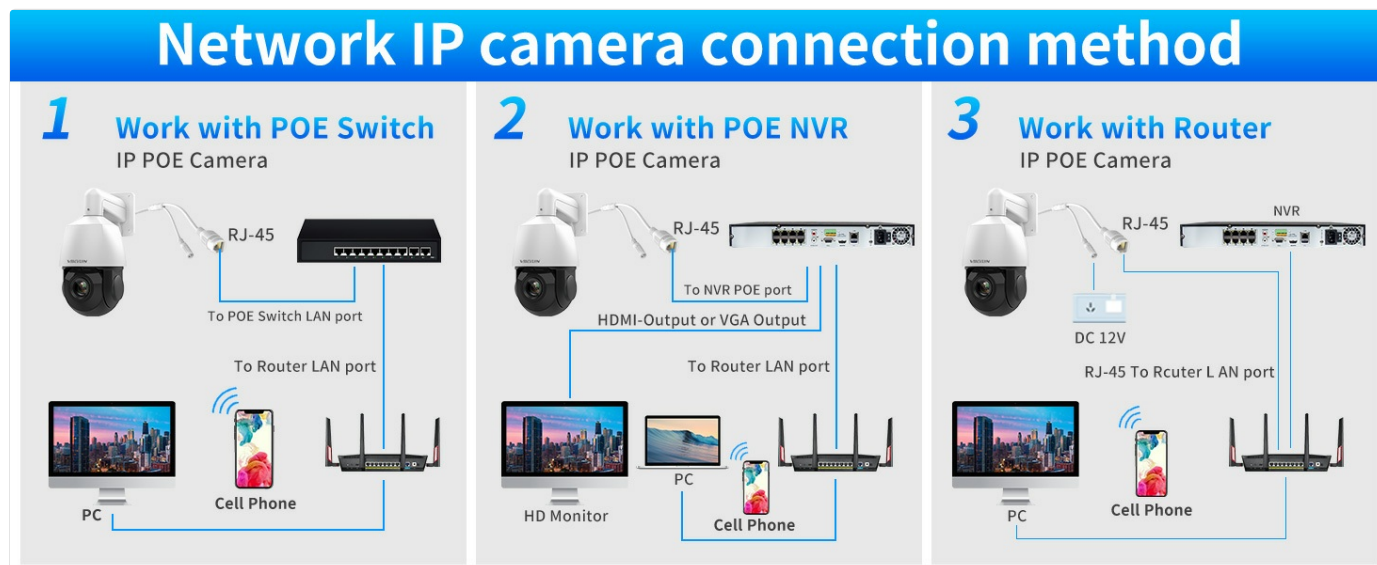


Figure 4: Network Connection Methods

3.3 App Setup (Videolink)

Download the "Videolink" app on your smartphone or tablet for remote access and control. The camera is also compatible with other software like Blue Iris and iSpy, and supports RTSP for live broadcast integration.

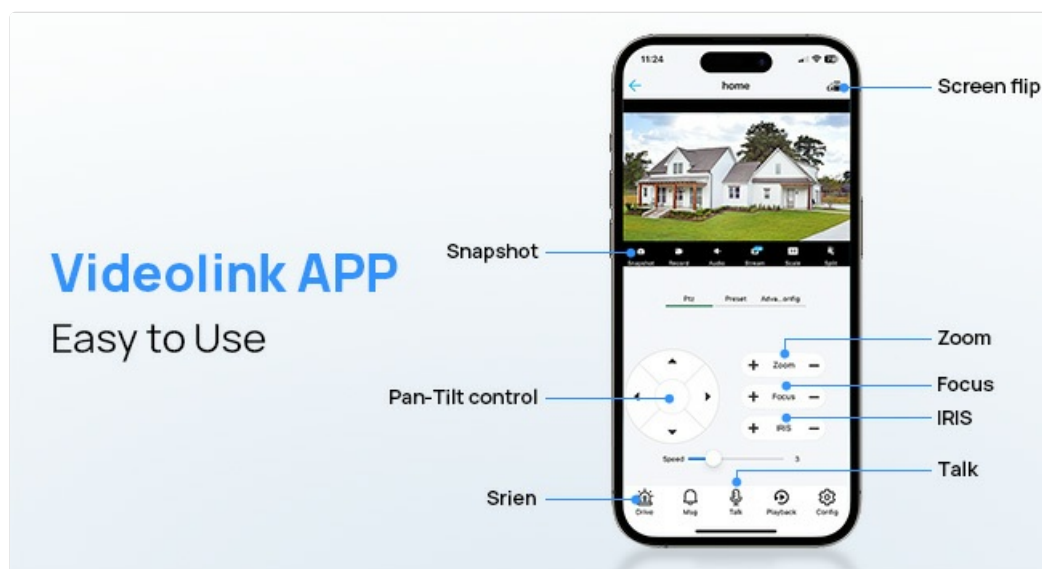


Figure 5: Videolink App Interface

4. OPERATING INSTRUCTIONS

4.1 Pan, Tilt, and Zoom (PTZ) Control

The camera offers 360° pan and 90° tilt capabilities, along with an 18x optical zoom (4.7mm-84.6mm lens) and 30x digital zoom. These functions allow for detailed monitoring of wide areas.

- Use the mobile app or compatible software to control the camera's pan, tilt, and zoom functions.
- Set up to 16 preset points for automated patrol routines.



Figure 6: PTZ and Zoom Capabilities

4.2 Auto Tracking & AI Human/Vehicle Detection

The camera integrates human and vehicle detection with auto-tracking, minimizing false alarms from environmental factors. It can automatically lock onto and follow detected subjects.

- Configure detection zones and sensitivity settings in the app.
- Receive real-time notifications (push, email, FTP) upon detection.

Smart Motion Detection

Receive only the alerts you need, with advanced human, vehicle, face and intrusion detection feature.



SET MOTION ZONES



ADJUST SENSITIVITY

Detect what Matters

✖ Shadows

✖ Squirrels

✔ Human

✖ Raindrops

✖ Leaves

✔ Vehicle



Vehicle Detection



Human Detection

Figure 7: Smart Motion Detection

Video 2: Demonstration of 4K PTZ Security Camera Outdoor with 30X Optical Zoom features.

Video 3: Preview of PoE PTZ Security Camera System with Human Auto Tracking.

4.3 Two-Way Audio

The integrated microphone and speaker enable two-way communication, allowing you to speak with visitors or deter intruders.



Figure 8: Two-Way Audio Functionality

4.4 Night Vision

Equipped with 6 IR LEDs, the camera provides clear images in low light or total darkness, with an ultra-long night vision distance of up to 328ft.

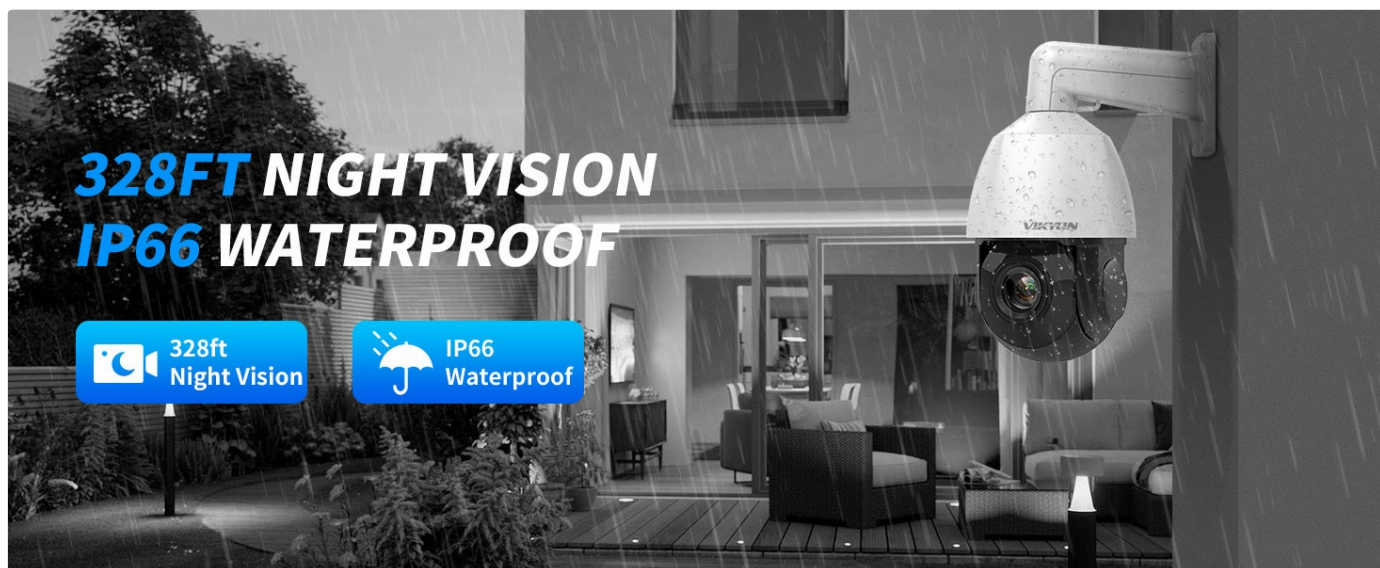


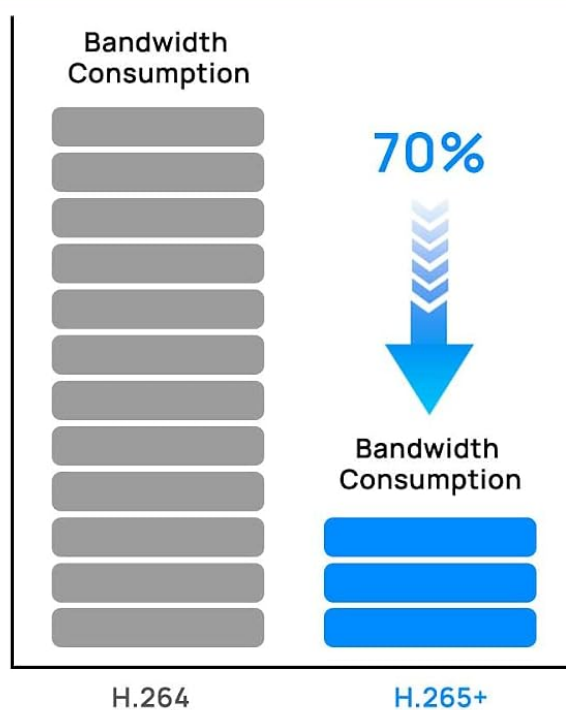
Figure 9: Night Vision and Weather Resistance

4.5 Recording Options

The camera supports multiple recording options:

- **Micro SD Card:** Supports up to 512GB for local storage.
- **PoE NVR:** Compatible with various NVRs (e.g., Da-hua, Uniview).
- **FTP:** Supports alarm snapshot to FTP.

The H.265+ compression format optimizes storage space by up to 75% while maintaining video quality.



Multiple Recording Options

(No Extra Fees)

Supports up to
512GB
Micro SD card (not included)

Work with
POE NVR

Work with
FTP



Figure 10: Recording and Compression

5. MAINTENANCE

- **Cleaning:** Regularly clean the camera lens with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Firmware Updates:** Check the manufacturer's website or app for available firmware updates to ensure optimal performance and security.
- **Cable Inspection:** Periodically inspect all cables for any signs of wear or damage, especially in outdoor

installations.

6. TROUBLESHOOTING

- **No Power:** Ensure the power adapter is correctly connected or that the PoE switch/NVR is providing power. Check cable integrity.
- **No Video Feed:** Verify network connectivity. Check IP address settings. Ensure the camera is properly added and online in the Videolink app or NVR.
- **Poor Image Quality:** Clean the camera lens. Check network bandwidth. Adjust image settings in the app.
- **False Alarms:** Adjust motion detection sensitivity and detection zones in the app to minimize triggers from environmental factors like leaves or shadows.
- **PTZ Not Responding:** Check network connection. Ensure the camera firmware is up to date. Reboot the camera if necessary.

7. SPECIFICATIONS

Feature	Specification
Model Number	GK-4818-CA
Video Capture Resolution	4K (8MP)
Optical Zoom	18x (4.7mm-84.6mm)
Digital Zoom	30x
Pan Range	0° to 360°
Tilt Range	0° to 90°
Night Vision Range	Up to 328 feet (100 meters)
Water Resistance Level	IP66 Waterproof
Connectivity Technology	PoE, ON-VIF, RTSP
Storage	Micro SD card (up to 512GB)
Audio	2-Way Audio (Built-in Mic and Speaker)
Detection	Human/Vehicle Detection, Auto Tracking
Dimensions (L x W x H)	25.4 x 16.51 x 16.51 cm
Material	Metal

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided in your product packaging or visit the official VIKYLIN website. Keep your purchase receipt for warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question